

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: William McFarland, et al. P E : Group

Serial No: 10/607,992 | FEB 2 2 2000 : Art Unit #2661

Filed: 30 June 2003 : Examiner

Title: SCALABLE COMMUNICATION SYSTEM: Unknown

USING OVERLAID SIGNALS AND MULTI-CARRIER FREQUENCY COMMUNICATION:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Applicants wish to make the following art references of record in the above-referenced Patent Application pursuant to 37 C.F.R. §§ 1.97 and 1.98, in the Duty of Disclosure set forth in 37 C.F.R. § 1.56.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject Patent Application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search was made or that no other material information, as defined in 37 C.F.R. § 1.56(d), exists.

The cited U.S. Patent references are:

REF.	PAT/PUBLICATION NO.	ISSUE/PUB. DATE	INVENTOR(S)
A	5,726,978	03/10/1998	Frodigh, et al.
В	5,828,660	10/27/1998	Baum, et al.

The cited foreign Patent references are:

REF.	PAT/PUBLICATION NO.	ISSUE/PUB. DATE	INVENTOR(S)
C	EP0874494A2	10/28/1998	Но
D	WO99/50985	10/07/1999	Bengtsson, et al.
E	WO99/65155	12/16/1999	Mattisson, et al.

The cited Publications are:

REF.	DESCRIPTION
F	Mitsugu Ohkawa, et al., "Orthogonal Multicarrier Frequency Hopping-Code Division Multiple Access Scheme for Frequency-Selective Fading," <u>Electronics and Communications in Japan</u> , Part 1, Vol. 78, No. 8, pp. 86-98, Scripta Technica, Inc. (1995).
G	Qingxin Chen, et al., "Multicarrier CDMA with Adaptive Frequency Hopping for Mobile Radio Systems," <u>IEEE</u> <u>Journal on Selected Areas in Communications</u> , Vol. 14, No. 9, pp. 1852-1858 (December, 1996).
Н	Jan-Jaap van de Beek, et al., "A Time and Frequency Synchronization Scheme for Multiuser OFDM," <u>IEEE</u> <u>Journal on Selected Areas in Communications</u> , Vol. 17, No. 11, pp. 1900-1914 (November, 1999).

This Information Disclosure Statement is being filed more than three months after filing of the subject Patent Application, but before the mailing of a first Office Action.

A form PTO/SB/08A (substitute for Form 1449/PTO) and copies of the references are submitted along with this paper. It is requested that the Examiner consider the references and make them of record in the above-referenced Patent Application.

Respectfully submitted,

For: ROSENBERG, KLEIN & LEE

Jun Y. Lee

Registration #40,262

Dated: 2/22/2005

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Substitute for form 1449/PTO Complete if Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known					
Application Number	10/607,992				
Filing Date	30 June 2003				
First Named Inventor	William McFarland,				
Art Unit	2661				
Examiner Name	Unknown				
Attorney Docket Number	MD2010-7/C				

U. S. PATENT DOCUMENTS							
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	Α	^{US-} 5,726,978	03/10/1998	Frodigh, et al.			
	В	^{US-} 5,828,660	10/27/1998	Baum, et al.			
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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